

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 14, 2001, 16:12:15 ; Search time 14.09 Seconds
(without alignments)
578.602 Million cell updates/sec

Title: US-09-455-486-6
Perfect score: 2351
Sequence: 1 MESISMGSPKSLSTCLPN.....ALVLPISIVLDLQLCRYPD 454

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6_COMB.pep.*
4: /cgn2_6/ptodata/2/1aa/PCTUS_COMB.pep.*
5: /cgn2_6/ptodata/2/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	736	31.3	141	3	US-09-083-521-1
2	107.5	4.6	695	1	US-08-487-886-2
3	107.5	4.6	695	3	US-08-482-855-2
4	99	4.2	531	2	US-08-724-974A-2
5	97.5	4.1	390	3	US-08-460-576-2
6	93	4.0	365	2	US-08-724-974A-3
7	89.5	3.8	495	1	US-07-841-997A-2
8	89.5	3.8	495	1	US-08-290-301-2
9	89.5	3.8	495	2	US-08-588-983-2
10	89.5	3.8	495	2	US-08-588-976-2
11	89.5	3.8	968	3	US-08-651-999A-7
12	89	3.8	1582	2	US-08-404-531B-9
13	89	3.8	1582	3	US-08-476-900A-9
14	89	3.8	1582	3	US-08-488-546A-9
15	88.5	3.8	591	1	US-08-484-840-2
16	88.5	3.8	591	1	US-08-483-094-2
17	87	3.7	467	2	US-08-805-118-3
18	86.5	3.7	699	1	US-08-348-006B-7
19	86.5	3.7	699	2	US-08-800-825A-7
20	85.5	3.6	861	3	US-09-022-875-2
21	85	3.6	1581	2	US-08-404-531B-6
22	85	3.6	1581	3	US-08-476-900A-6
23	85	3.6	1581	3	US-08-488-546A-6
24	84.5	3.6	550	1	US-08-121-057-4
25	84.5	3.6	550	2	US-08-509-187D-4
26	84.5	3.6	550	2	US-09-121-396-4
27	84.5	3.6	550	4	PCT-US93-09704A-4
28	84	3.6	323	2	US-08-580-545B-2

29 84 3.6 323 3 US-09-262-653A-2 Sequence 2, Appli
30 84 3.6 480 2 US-08-724-994A-9 Sequence 9, Appli
31 82.5 3.5 339 3 US-08-968-563-14 Sequence 14, Appli
32 82.5 3.5 339 3 US-08-969-683A-14 Sequence 14, Appli
33 81 3.4 523 2 US-08-473-553A-3 Sequence 3, Appli
34 81 3.4 980 2 US-08-473-553A-6 Sequence 6, Appli
35 81 3.4 985 2 US-08-473-553A-2 Sequence 2, Appli
36 80.5 3.4 214 1 US-08-318-492-4 Sequence 4, Appli
37 80.5 3.4 214 1 US-08-707-340-4 Sequence 4, Appli
38 80.5 3.4 214 2 US-08-916-902A-3 Sequence 3, Appli
39 80.5 3.4 214 2 US-08-994-578-4 Sequence 4, Appli
40 80.5 3.4 214 2 US-09-213-389-3 Sequence 3, Appli
41 80 3.4 360 3 US-08-875-573-20 Sequence 20, Appli
42 79.5 3.4 354 1 US-07-759-568-2 Sequence 2, Appli
43 79.5 3.4 920 3 US-08-930-996A-8 Sequence 8, Appli
44 79.5 3.4 2366 1 US-08-480-604A-10 Sequence 10, Appli
45 79.5 3.4 2366 2 US-08-405-496A-10 Sequence 10, Appli

ALIGNMENTS

RESULT 1
US-09-083-521-1
: Sequence 1, Application US/09083521
: Patent No. 6048970
: GENERAL INFORMATION:
: APPLICANT: Lal, Preeti.
: APPLICANT: Guegler, Karl J.
: APPLICANT: Corley, Neil C.
: TITLE OF INVENTION: PROSTATE GROWTH-ASSOCIATED MEMBRANE PROTEINS
: NUMBER OF SEQUENCES: 7
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
: STREET: 3174 PORTER DRIVE
: CITY: PALO ALTO
: STATE: CALIFORNIA
: COUNTRY: USA
: ZIP: 94304

102(c) = 05/22/98

COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/083,521.
: FILING DATE: Herewith
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: CERRONE, MICHAEL C.
: REGISTRATION NUMBER: 39,132
: REFERENCE/DOCKET NUMBER: PF-0527 US
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (650) 855-0555
: TELEFAX: (650) 845-4166
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 141 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: IMMEDIATE SOURCE:
: LIBRARY: PROSTUT10
: CLONE: 1691243

Query Match 31.3%; Score 736; DB 3; Length 141;
Best Local Similarity 100.0%; Pred. No. 5.9e-70;
Matches 141; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 314 MVHVAYSCLPMRRSERILFLNAYCQVHANTENSWNEEVWRIEYISFGTMSGLLSL 373
|||||

Db 301 VDMYQTRGORSSLAEDNESSYRGFDWYTFDYDLCNEVVVTCSPKPDFAFNPCEIDM 360
QY 306 G-----LLSFFFAHVA-----YSLCPMRSSERYFLNMAVOQVHEANTEN 347
Db 361 GYNILRVLIWFISILATGNILVILTTSOYKLTVP-----RFLMCLNAPAD----- 408
QY 348 SWNEEVNRYEMYSFGIMSLGLSLAVTSIPSVSNALNWR-----FSFIQSTL 398
Db 409 -----LCIGYLLILLIASVDTHKSOYHNAIDWOTGAGCDAAGFFTVFASEL 455
QY 399 G---YVALLISTFH-----VLIYGWKRAPEEYRYTPPNFV-LA 435
Db 456 SVYTLTATLTERWHITITHAMQLOCKVOLRHAASVYVWGWIFAFAAALFPFIIGISSYMKVS 515
QY 436 LVLPISVILDLQL 449
Db 516 ICLPMDIDSPSQL 529
RESULT 4
US-08-724-974A-2
: Sequence 2, Application US/08724974A
: Patent No. 5912335
: GENERAL INFORMATION:
: APPLICANT: Derk J. Bergema, Catherine E. Ellis
: TITLE OF INVENTION: A No. 5912335el G-Protein Coupled Receptor
: TITLE OF INVENTION: HUVCT36
: NUMBER OF SEQUENCES: 3
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: SmithKline Beecham Corporation
: STREET: 709 Swedeland Road, P.O. Box 1539
: CITY: King of Prussia
: STATE: PA
: COUNTRY: USA
: ZIP: 19406-0939
: COMPUTER READABLE FORM:
: MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
: COMPUTER: IBM 486
: OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
: SOFTWARE: WORDPERFECT 5.1
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/724,974A
: FILING DATE: October 3, 1996
: CLASSIFICATION: 424
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: William T. Han
: REGISTRATION NUMBER: 34,344
: REFERENCE/DOCKET NUMBER: ATG50022
: TELEPHONE: 610 270 5024
: TELEFAX: 610 270 5090
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 531
: TYPE: Amino Acid
: TOPOLOGY: Linear
US-08-724-974A-2

Query Match 4.2%; Score 99; DB 2; Length 531;
Best Local Similarity 22.6%; Pred. No. 0.059;
Matches 48; Conservative 37; Mismatches 75; Indels 52; Gaps 9;
QY 255 VNKTL-PIVAITLLSVYLAGLAAYQLYGYGYRRFPWLEWLOCRQOLGSLSTFFFA 313
Db 132 IHOTLAPVYVTVL-----VVGFTFANCLSLYFG-----YLO--IKARNELGVYLCNLT 177
QY 314 MVAVAYSLCLPMRERRYFLPNMAVOQVHANENSWNEEFVWRTEMVYSFGIMSLGLSL 373
Db 178 VADLFYICSLPFW-----LOYVLQHDNWSHGLDSCQVCGILLYENIYI-SVGFLCC 227

QY 374 LAVTSPSVSNALNWRREFSTQSTLGYVA-----LLISTF----- 408
Db 228 ISVDRYLAVAHPPHFQFTLKAAGVSVVWAKELTSTYFLMHEEVEDENQHRVCFE 287
QY 409 HVLIYGNKRAPEEYRYTPPNFVLAFLVPS 440
Db 288 HYIQANQRAI--NYRFLVGLFPICLLAS 317
RESULT 5
US-08-460-576-2
: Sequence 2, Application US/08460576
: Patent No. 6033903
: GENERAL INFORMATION:
: APPLICANT: SISK, William P.
: TITLE OF INVENTION: A METHOD OF EXPRESSING AND SECRETING
: TITLE OF INVENTION: SOLUBLE EXTRACELLULAR DOMAINS OF HUMAN GONADOTROPIN
: TITLE OF INVENTION: HORMONE RECEPTORS
: NUMBER OF SEQUENCES: 18
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: BROWDY AND NEIMARK
: STREET: 419 Seventh Street, N.W., Suite 300
: CITY: Washington
: STATE: D.C.
: COUNTRY: USA
: ZIP: 20004
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/460,576
: FILING DATE:
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: YUN, Allen C.
: REGISTRATION NUMBER: 37,971
: REFERENCE/DOCKET NUMBER: SISK-1
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-628-5197
: TELEFAX: 202-737-3528
: TELEX: 248633
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 390 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: peptide
US-08-460-576-2

Query Match 4.1%; Score 97.5; DB 3; Length 390;
Best Local Similarity 21.3%; Pred. No. 0.053;
Matches 45; Conservative 39; Mismatches 72; Indels 55; Gaps 7;
QY 79 HEDALTKNTIIEVAIHRHYTSLMDLRHLLVG-----KILIDVSNMR 121
Db 122 HEIRIEKANNL-LVINPEAFQNPFLNLOIYLSINTGKHLDPDVHKIHSLOKVLIDQIN 180
QY 122 INOYPSNAEYLASLFPDLSLVKGFNVYSAWALQGLPKDASQVYICSNINQARQVIEL 181
Db 181 IH-----TIERNSPVGLSFESVILWL-----NKNIGQIEHNCA----- 213
QY 182 AROLNFIPIDLGSLSSARETENPLRLFTLWRGPVVVAISLATFFLYSPVROVHIHYAR 241
Db 214 ---FNCQDLDELNLSDNNLEELPNDFHGASGSEVILDIRTHISLPSYGLNKLRA 270
QY 242 NOOSDFYKPIETVKNKL-PIVAITLLSLVY 271
Db 271 RSTYNLKKLP-----TLEKLVALMEASLY 295

RESULT 6
US-08-724-974A-3
Sequence 3, Application US/08724974A
Patent No. 5912335
GENERAL INFORMATION:
APPLICANT: Derk J. Bergsma, Catherine E. Ellis
TITLE OF INVENTION: A No. 5912335el G-Protein Coupled Receptor
TITLE OF INVENTION: HUVCT36
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road, P.O. Box 1539
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM 486
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,974A
FILING DATE: October 3, 1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: William T. Han
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: ATG50022
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610 270 5024
TELEFAX: 610 270 5090
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 365
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-724-974A-3
Query Match 4.0%; Score 93; DB 2; Length 365;
Best Local Similarity 22.2%; Pred. No. 0.14;
Matches 47; Conservative 37; Mismatches 76; Indels 52; Gaps 9;
QY 255 VNKTL-PIVAITLLSLVYLAGLLAAAYQLYGTYKTRPPPPWLEWLOCRKOGLGSLSPFFA 313
DB 19 IHQTLAPVYVTVL-----VGGPPANCLSLYFG-----VIQ--IKARNELGVYLCNLT 64
QY 314 MVHVAISLCPLMRSSERYLEFLNMAYQOVHANIENSNBEEVYRIEWISFGTMSGLLSL 373
DB 65 VADLYFICSLPW-----LQVLQHDNWSHGLSCQVCGILLIYENYI-SVGFLCC 114
QY 374 LAVTSIPSNALNRRFSFQSTGLGYA-----LLISTF----- 408
DB 115 ISVDRLAVAFPHQFRTLKAARVTVIWAKEKLLSYFLMHEEVIEDENQHVCFE 174
QY 409 HVLVYGNKRAFEERYRYTPPNFVALVLP 440
DB 175 HYPQAWORAI--NYRFLVGLFPLPICLLAS 204
RESULT 7
US-07-841-997A-2
Sequence 2, Application US/07841997A
Patent No. 5422254
GENERAL INFORMATION:
APPLICANT: Londerborough, John
APPLICANT: Vuorio, Outi
TITLE OF INVENTION: A method to increase the trehalose content

TITLE OF INVENTION: of organisms by transforming them with the
TITLE OF INVENTION: structural genes for the short and long chains
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Alko Ltd.
STREET: PO Box 350
CITY: Helsinki
STATE:
COUNTRY: Finland
ZIP: SF-00101
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 720 kb
COMPUTER: IBM PC/XT/AT
OPERATING SYSTEM: PC-DOS
SOFTWARE: WP5.1 file exported as DOS text file
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/841,997A
FILING DATE: 19920228
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/836,021
FILING DATE: February 14, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Mary E. Gormley
REGISTRATION NUMBER: 34409
REFERENCE/DOCKET NUMBER: 920085A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)659-2930
TELEFAX: (202)887-0357
TELEX: 440142
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 495 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: Polypeptide
HYPOTHETICAL: Yes
US-07-841-997A-2

Query Match 3.8%; Score 89.5; DB 1; Length 495;
Best Local Similarity 17.8%; Pred. No. 0.53;
Matches 83; Conservative 53; Mismatches 145; Indels 185; Gaps 20;
QY 80 EDALTKTNIIFVAIURE-----HYTS-----LWDLRHLVKGKILIDVSNMNRINOYPESNA 130
DB 80 KDLLEKFNAPFISDEIADLHYNGFSILMPLFHYHPEINF--ENAWFG-YNEANQ 136
QY 131 -----EYLASLFPDLSLVKGF-----NVVSAMALQGLPKDASRQVY 166
DB 137 TPTNEIAKTMNNDLIWHDYHMLVPEMLRVKIHKKOLQNVKGVWFLH--TPFPSSSEY 194
QY 167 ICSNNIQAQQVIE-----LARQNF----- 187
DB 195 ---RLPVRQETLKGVLSCDLVGFHYDYARHFLSSVQVRLAVNTLPNGVYQGRFVNG 251
QY 188 ---IPDLGSLSSARE-----IENLPLRLFTL--- 211
DB 252 APPIGIDVQKFTDGLKKESVQRIQOLKETFQCKLIIVGVDRDLKINGVQKHLHAMEVEL 311
QY 212 -----WRGPVW---VAISLATEFFLYSFVRDVIHPYARNOQSDFYK---IPTIEVKNKTL 260
DB 312 NEHPWGRGVVLVQVAVPSRGDVEEVQYLSRVVNLVGRINGQGVTVFPIHEMHKSIP 371
QY 261 IVAITLLSLVYLAGLLAAAYQLYGTYKTRPPPPWLEWLOCRKOGLGSLFFFAHVAVS 320
DB 372 FEELISLXAVSDVCLVSSST-----RDGMNVSY-----EVI 402
QY 321 LCLPMRRSERYL--FLNMAYQOVHANIENSNBEEVYRIEWISFGINSGLSLIHAVTS 378
DB 403 ACQEEKKSLILSEFTGAQOASLNGALIIVNPWNTDOLSD-----AINEALT 447

INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 968 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptid
 DESCRIPTION: NO
 HYPOTHETICAL: NO
 US-08-651-999A-7

Query Match 3.8%; Score 89.5; DB 3: Length 968;
 Best Local Similarity 19.6%; Pred. No. 1.5;
 Matches 60; Conservative 44; Mismatches 117; Indels 85; Gaps 12;

QY 32 TVGVGSCDFAKSLTIRLCGHVHVGSRNPKFASEFFPHVVDVTHEDALTKNIIEV 91
 DB 448 TGGVIPSQFOPLKIRYVT-EDFFLAACEIIFCFIFYYVE-----EILEI 495
 QY 92 AIHREHY-TSLWDLRHLLVGLKILIDVNNMRINOYPESNAEYLASLPDSLVKGNVWS 150
 DB 496 RIHKLHYERSFWNCLDVI--VVLVV-AIGINIRYTSNVEVLQFLQEDQNTFPNFEHLA 552
 QY 151 AWALQZPKDASROYTCNNIOARQOVIELAROLNIRID--LGSLS-----AREIEN 203
 DB 553 YWQIQF-----NNIAAVTVFVVKIKLFKIFENRTMSQLSTTMSRCADLFG 599
 QY 204 LPLRLFTLRGPPVVAISLATFTEL-----YSFVRDVIHPYARNQOSDYKIP 255
 DB 600 FAIMFF-----IIFLAYQALYLVGTQVDDFSTFQECIFTOFRIILDINFAELEEA 652
 QY 256 NKTL-PIVATLISLVLAGILAAAYOLYGYTKYRPPPPWLETWLOCRKOLGILSPFFAM 314
 DB 653 NRVLGPIYTFVFEFEFI-----LLNMFLAI 679
 QY 315 VHWAYS 320
 DB 680 INDYTS 685

RESULT 12
 US-08-404-531B-9
 Sequence 9, Application US/08404531B
 Patent No. 5863724
 GENERAL INFORMATION:
 APPLICANT: Joseph Bryan, Lydia Aguilar Bryan, Daniel Nelson, Pamela
 APPLICANT: Thomas, Gilbert Cote, and Robert Gagel
 TITLE OF INVENTION: Sequence Encoding Mammalian Sulfonyleurea Receptor
 Patent No. 5863724
 NUMBER OF SEQUENCES: 49
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
 ADDRESSEE: No. 5863724rls
 STREET: One Liberty Place 46th. Floor
 CITY: Philadelphia
 STATE: PA
 COUNTRY: USA
 ZIP: 19103
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/404,531B
 FILING DATE: 15-MAR-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Beardsell, Lori Y.
 REGISTRATION NUMBER: 34,293
 REFERENCE/DOCKET NUMBER: BYLR-0003
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 215-568-3100
 TELEFAX: 215-568-3439
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1582 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-404-531B-9

Query Match 3.8%; Score 89; DB 2: Length 1582;
 Best Local Similarity 20.7%; Pred. No. 3.6;
 Matches 82; Conservative 55; Mismatches 119; Indels 140; Gaps 18;

QY 124 QYPSNAEYLASLPDSLVKGNV-----SAW-----ALQLGPK-----DASRQ 164
 DB 1003 KYLSSAGILLSLVFSOLLKHMVLAIDYWLAKWTDLSALVSPAARNCSLSQSDQDS 1062
 QY 165 VY-----ICS-----NNIOARQOVIELAROLNIRIPIDLAGSLSSAREIENPLRLFT 210
 DB 1063 YVAVFTLLCSGLGIVLCVTSVTVEWTGLAVAKRLHSLNRIILAPMRFETTPPL----- 1118
 QY 211 LMRGPPVVAISLATFPELYSEVRDVIHPYARNQOSDYKIP--IEIVNKT--LPIVAITL 266
 DB 1119 -----GSLNRESSDCNTIDQHIPSTILECLSRSTLLCVSALT 1156
 QY 267 LSL--VYLAGLLAAAYOLYGYTKYRPPPPWLETWLOCRKOLGILSPFFAMVHWAYSICL 323
 DB 1157 ISYVTFELVALLPLAVCYFIOKIFRVASRDLQDDTDTOLPLVSHFAETVEGLTIT-- 1214
 QY 324 PMRRSRY-----LFLNMAVQVH-----ANIENS 348
 DB 1215 ---RAFYEAFQOKLEYTDSNNIASLELTAAWRLEVCMEYIGACVWLIARATSIENS 1271
 QY 349 WNEEVEWRIMYISFGIMSLGLSLAVTSIPSVSNALNW--REFSFIQSTLGVVALLIS 406
 DB 1272 LHRE-----LSAGLVGLGLTYAL-----MYSNYLNWVRNLADMEIQLG-----AVK 1313
 QY 407 TEHVLIYGNKRAFEERYEYRTPPNFVLAIVLPSTIV 442
 DB 1314 RIHALL-----KTEAESYE-----GULAPSLI 1335

RESULT 13
 US-08-476-900A-9
 Sequence 9, Application US/08476900A
 Patent No. 6031150
 GENERAL INFORMATION:
 APPLICANT: Joseph Bryan, Lydia Aguilar Bryan, Daniel Nelson
 APPLICANT: Sequence Encoding Mammalian Sulfonyleurea Receptor
 Patent No. 6031150
 TITLE OF INVENTION: and Method of Detecting Persistent Hyperinsulinemic Hypogly
 TITLE OF INVENTION: Infancy
 NUMBER OF SEQUENCES: 49
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
 ADDRESSEE: No. 6031150rls
 STREET: One Liberty Place 46th. Floor
 CITY: Philadelphia
 STATE: PA
 COUNTRY: USA
 ZIP: 19103
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/476,900A
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 800
 ATTORNEY/AGENT INFORMATION:


```

: NAME: Beardell, Lori Y.
: REGISTRATION NUMBER: 34,293
: REFERENCE/DOCKET NUMBER: BYLR-0027
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 215-568-3100
: TELEFAX: 215-568-3439
: INFORMATION FOR SEQ ID NO: 9:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1582 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-476-900A-9

Query Match          3.8%; Score 89; DB 3; Length 1582;
Best Local Similarity 20.7%; Pred. No. 3.6;
Matches 82; Conservative 55; Mismatches 119; Indels 140; Gaps 18;

QY 124 QYPSENEYLASLPDLSLVKGFNV-----SAR-----ALQLGPK-----DASRQ 164
DB 1003 KYLSAGILLISLVFSOLLKHMVLVDYWLAKWTDLSALVLSPAARNCSLSQECDLDS 1062
QY 165 VY-----ICS-----NNIQAQQVIELARQNFIPIDLGSLSSARETENPLRLFT 210
DB 1063 VYAMVFTLLCSGLVGLVTSVTVEWTGLKVKAKRLHRSLLNRIILAPMRFFETPL----- 1118
QY 211 LWRGPVVVAISLATFFLYSFVRDVIHPYARNQSDFKIP--TEIVNKT--LPIVAITL 266
DB 1119 -----GSILNRFSSDCNTIDQIHPTSTLECLSRSLTLLCVSALT 1156
QY 267 LSL---VYLAGLLAAAYQLYGTYRPPWLEWLOCRKQGLLSFFFAFVHVAYSICL 323
DB 1157 ISYVTPFVALLPLAVVCYFIQYFVRSRDQLQDDTTQLPLVSHFAETVEGLTTI-- 1214
QY 324 PMRSERY-----LFLNMAQQVH-----ANIENS 348
DB 1215 ---RAFYEAFQKLEYYTDSNNIASLFTAANRWLEVCMEYIGACVVLIAAATSIENS 1271
QY 349 WNEEVWRIENYISFGIMSLGILLSAVTSIPSVSNALNW--REFSFQSTGLGYVALLIS 406
DB 1272 LHRE-----LSAGLVGLGLTYAL-----MVSNNYLNWVRNLADMEIQLG-----AVK 1313
QY 407 TFHVLIVGWKRAFEERYFYRTPPNFVIALVLPISV 442
DB 1314 RIHAL-----KTEAESYE-----GLLAPSLI 1335

RESULT 14
US-08-488-546A-9
: Sequence 9, Application US/08488546A
: Patent No. 6054313
: GENERAL INFORMATION:
: APPLICANT: Joseph Bryan, Lydia Aguilar Bryan, Daniel Nelson, Pamela
: APPLICANT: Thomas, Gilbert Cote, and Robert Gagel
: TITLE OF INVENTION: Sequence Encoding Mammalian Sulfonilylurea Receptor
: Patent No. 6054313
: NUMBER OF SEQUENCES: 49
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
: ADDRESSEE: No. 6054313is
: STREET: One Liberty Place 46th. Floor
: CITY: Philadelphia
: STATE: PA
: COUNTRY: USA
: ZIP: 19103
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: IBM PC compatible
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/488,546A
```

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: FILING DATE: 07-JUNE-1995
: CLASSIFICATION: 800
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/404,531
: FILING DATE: 15-MARCH-1995
: CLASSIFICATION: 800
: ATTORNEY/AGENT INFORMATION:
: NAME: Beardell, Lori Y.
: REGISTRATION NUMBER: 34,293
: REFERENCE/DOCKET NUMBER: BYLR-0026
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 215-568-3100
: TELEFAX: 215-568-3439
: INFORMATION FOR SEQ ID NO: 9:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1582 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-488-546A-9

Query Match          3.8%; Score 89; DB 3; Length 1582;
Best Local Similarity 20.7%; Pred. No. 3.6;
Matches 82; Conservative 55; Mismatches 119; Indels 140; Gaps 18;

QY 124 QYPSENEYLASLPDLSLVKGFNV-----SAR-----ALQLGPK-----DASRQ 164
DB 1003 KYLSAGILLISLVFSOLLKHMVLVDYWLAKWTDLSALVLSPAARNCSLSQECDLDS 1062
QY 165 VY-----ICS-----NNIQAQQVIELARQNFIPIDLGSLSSARETENPLRLFT 210
DB 1063 VYAMVFTLLCSGLVGLVTSVTVEWTGLKVKAKRLHRSLLNRIILAPMRFFETPL----- 1118
QY 211 LWRGPVVVAISLATFFLYSFVRDVIHPYARNQSDFKIP--TEIVNKT--LPIVAITL 266
DB 1119 -----GSILNRFSSDCNTIDQIHPTSTLECLSRSLTLLCVSALT 1156
QY 267 LSL---VYLAGLLAAAYQLYGTYRPPWLEWLOCRKQGLLSFFFAFVHVAYSICL 323
DB 1157 ISYVTPFVALLPLAVVCYFIQYFVRSRDQLQDDTTQLPLVSHFAETVEGLTTI-- 1214
QY 324 PMRSERY-----LFLNMAQQVH-----ANIENS 348
DB 1215 ---RAFYEAFQKLEYYTDSNNIASLFTAANRWLEVCMEYIGACVVLIAAATSIENS 1271
QY 349 WNEEVWRIENYISFGIMSLGILLSAVTSIPSVSNALNW--REFSFQSTGLGYVALLIS 406
DB 1272 LHRE-----LSAGLVGLGLTYAL-----MVSNNYLNWVRNLADMEIQLG-----AVK 1313
QY 407 TFHVLIVGWKRAFEERYFYRTPPNFVIALVLPISV 442
DB 1314 RIHAL-----KTEAESYE-----GLLAPSLI 1335

RESULT 15
US-08-484-840-2
: Sequence 2, Application US/08484840
: Patent No. 5716788
: GENERAL INFORMATION:
: APPLICANT: MOSCOW, Jeffrey A.
: APPLICANT: COWAN, Kenneth H.
: APPLICANT: DIXON, Kathy
: APPLICANT: HE, Rui
: TITLE OF INVENTION: A GENE ENCODING A HUMAN REDUCED FOLATE
: TITLE OF INVENTION: CARRIER (RFC) AND METHODS FOR THE TREATMENT OF
: TITLE OF INVENTION: METHOTREXATE-RESISTANT, TRANSPORT-DEFICIENT CANCER CELLS
: NUMBER OF SEQUENCES: 6
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Foley & Lardner
: STREET: 3000 K Street, N.W., Suite 500
: CITY: Washington
: STATE: D.C.
```

; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,840
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 40399/324/NIHD
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 591 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-484-840-2

Query Match 3.88; Score 88.5; DB 1; Length 591;
Best Local Similarity 20.8%; Pred. No. 0.89;
Matches 52; Conservative 34; Mismatches 75; Indels 91; Gaps 13;

QY 188 IPIDAGSSARETENPLRIETLWRGPVVVAISLATFFFLYSFVRDV-----IHPYAR 241
Db 12 VPVEPGDPPELRS-----WR-----RLVCYLCFYGFMAQIRPGESFITPYLL 53

QY 242 NOOSDFYKIPIEIVNKTLPVAILLSVYLAGLLAAAYOLYYGTYRFRPP----- 293
Db 54 GPDKNETR--DEVNTNETPV-----LSYSYLAIVL---PVFLLTDYLYRTPVLLQGLS 102

QY 294 WLETWL-----QCRKOLGLLSFFFAVHVA-----YSICLPMRRESERYLFNMAQQ 340
Db 103 FVSVMILLGLGHVAHQMELFYVTMAARIAYSSYIFSLVRPAR-----YQR 151

QY 341 VHANIENSWNEEVWRKIEMVIFSGIMSLGLSLAVTSIPSVSNALNWRREFSIQTSLGY 400
Db 152 VAGYSRAA-----VLLGVFTSSVLGQLLYT-VGRVS-----FSTLNY 187

QY 401 VALLISTFHVLI 412
Db 188 ISLAFLTFSVWL 199

Search completed: March 14, 2001, 16:12:42
Job time: 27 sec